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APPLICATION NO.		FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/509,621		09/29/2004	Jung-Hoon Anh	3260-26	1011	
23117	7590	10/31/2005		EXAM	EXAMINER	
		ERHYE, PC	JUEDES, AMY E			
ARLINGTO		E ROAD, 11TH FLOO 22203	Ķ	ART UNIT	PAPER NUMBER	
	•			1644		
				DATE MAILED: 10/31/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

_		Application No.	Applicant(s)			
		10/509,621	ANH ET AL.			
	Office Action Summary	Examiner	Art Unit			
		Amy E. Juedes, Ph.D.	1644			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SH WHIC - Exter after - If NO - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DANSIONS of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. Period for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status						
2a) <u></u>	Responsive to communication(s) filed on <u>29 Sec</u> This action is FINAL . 2b) This Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro				
Dispositi	ion of Claims					
5) 6) 7)	Claim(s) <u>1-20</u> is/are pending in the application. 4a) Of the above claim(s) is/are withdraw Claim(s) is/are allowed. Claim(s) is/are rejected. Claim(s) is/are objected to. Claim(s) <u>1-20</u> are subject to restriction and/or expressions.	wn from consideration.				
Application Papers						
10) <u> </u>	The specification is objected to by the Examine The drawing(s) filed on is/are: a) accomplicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Example 2.	epted or b) objected to by the drawing(s) be held in abeyance. Section is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).			
•	under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
2) Notice 3) Information	et(s) De of References Cited (PTO-892) De of Draftsperson's Patent Drawing Review (PTO-948) The mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Der No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal F 6) Other:				

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DETAILED ACTION

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1. Restriction is required under 35 U.S.C. 121 and 372.

- 2. This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.
- 3. In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Groups 1-5, claim 1, drawn to a dendritic cell specific polynucleotide, where groups 1-5 correspond to SEQ ID NOS 1, 3-6, respectively.

Groups 6-10, claim 2, drawn to a dendritic cell specific polypeptide, where groups 6-10 correspond to the polypeptides encoded by SEQ ID NOS 1, 3-6, respectively.

Group 11, claims 3-11, drawn to a method for identifying a dendritic cell or maturation stage of a dendritic cell.

Group 12, claims 12-20, drawn to a microarray.

- 4. This application contains claims directed to more than one species of the generic invention. These species are deemed to lack unity of invention because they are not so linked as to form a single general inventive concept under PCT Rule 13.1.
- 5. The species are as follows:

If group 13 or 14 is elected, Applicant is further required to elect:

- A) a specific dendritic cell from the group consisting of: lymphoid CD11c- dendritic cell, myeloid monocyte derived dendritic cell, CD1a+ myeloid dendritic cell, or CD14+ myeloid dendritic cell,
- B) a specific nucleotide sequence, or a combination of nucleotide sequences, such as one of those listed in Claim 3,

and list all Claims readable thereon including those

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subsequently added. Currently claims 3 and 12 are generic with respect to a dendritic cell.

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- 6. Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.
- 7. The inventions listed as Groups 1-12 and the species listed above do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reason:

The invention of Group 11 has no special technical feature that defined the contribution over the prior art of Naour et al.

Naour et al (see information disclosure) hybridize cRNA (i.e. a form of DNA) from a cell population with the dendritic cell-specific nucleotide sequence interferon regulatory factor 4, followed by quantification of hybridization (see Table 1).

- 8. Since Applicant's inventions do not contribute a special technical feature when viewed over the prior art they do not have a single general inventive concept and so lack unity of invention.
- 9. Accordingly, Groups 1-12 are not so linked as to form a single general inventive concept and restriction is proper.
- 10. Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).
- 11. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

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12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Amy E. Juedes, Ph.D. whose telephone number is 571-272-4471. The examiner can normally be reached on 8am - 5pm, Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Christina Chan can be reached on 571-272-0841. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Amy Juedes, Ph.D.
Patent Examiner
Technology Center 1600
October 14, 2005

G.R. EWOLDT, PH.D. PRIMARY EXAMINER